

**AMENDMENTS TO THE DRAWINGS:**

The attached sheet of drawings contains an additional Figure 12. This sheet should be added to the original sheets which include Figures 1-11.

Attachment: New Sheet

**REMARKS:**

Reconsideration and allowance of the application are respectfully requested.

In the Office Action of February 24, 2005, claims 1-12 were pending in the application and were rejected under either 35 U.S.C. §112 or §103. Those rejections, as they might apply to the claims as now amended, are respectfully traversed.

First of all, regarding Paragraph No. 1 of the Office Action, the Abstract has been amended to remove such phraseology as "such that". It is believed that the Abstract now is clear.

Regarding Paragraph No. 2 of the Action, the title of the invention has been changed to simply call for an electrical connector, as is in the claims now pending.

Regarding Paragraph Nos. 3 and 4 of the Action, claims 1-12 were rejected under 35 U.S.C. §112 primarily because the Examiner states that it is not clear regarding the cross-sectional configuration of the crimp section after the terminal is crimped around an electrical wire. Therefore, an additional Figure 12 has been added with this amendment, for the Examiner's approval. Figure 12 does not in any way whatsoever add new matter to the application. The crimping of the terminal and the insertion of the terminal into the connector was originally and clearly set forth in the Specification. Figure 12 simply depicts that clear explanation. For instance, in the bottom paragraph on page 7, the Specification specifically states that "the electrical wire (not shown) is typical as is known in the art" and specifically describes the electrical wire as including "an outer insulating layer or cladding about an inner conductor or core, with the insulation removed to expose a distal end of the inner conductor." The description continues to explain that crimp arms 46 are crimped onto the outer insulation of the electrical wire, and crimp arms 48 are crimped onto the inner conductor of the electrical wire. The Specification even states that "crimp arms 46 are crimped into a generally polygonal cross-sectional configuration." In other words, Figure 12 simply depicts this clear explanation. The Bluemmel 6,059,616 reference even shows how a rear insulating

crimp 6 in a polygonal configuration is well known in the art, and Figure 12 probably is unnecessary in view of the clear explanation in the Specification herein, as quoted above.

Regarding Paragraph Nos. 5 and 6 of the Action, like the Abstract, claim 5 has been amended to remove any "such that" terminology. The rejection of claims 9-12 are moot, in that these claims have been cancelled herein.

Regarding Paragraph Nos. 7 and 8 of the Action, claims 1-12 were rejected under 35 U.S.C. §103(a) as being unpatentable over Bonavita 6,478,620 in view of Bluemmel. Those rejections, as they might apply to the claims as now amended, are respectfully traversed.

More particularly, the description of the invention herein is set forth quite succinctly at the bottom of page 8 through the top of page 10 of the Specification herein, particularly describing the sequential views of Figures 7-11. In a nutshell, the Specification describes how the terminals are prevented from rotation as they pass through end cap 20 by the configuration of box section 50 during an initial stage of insertion and by crimp arms 46 of rear crimp section 22b during a later stage of insertion. Therefore, the terminals are prevented from rotating during their insertion into the connector until the terminals pass entirely through the end cap and are substantially entirely inserted into the terminal-receiving passages 34 in connector housing 16. Such a non-rotating system is not shown in nor remotely suggested by the prior art cited by the Examiner.

In particular, reference is made to Figure 3 of Bonavita and it can be seen that through passages 32 in gasket retainer (end cap) 30 are so short that the contact portion of the terminal reaches the flexible or soft gasket 30 before the rear crimp section of the terminal even enters the through passage in the end cap. Therefore, the terminal can rotate immediately when the contact portion passes out of the through passage in the end cap. In other words, the cooperation of the end cap and the terminal has nothing whatsoever to do with any anti-rotational provision for the terminal(s).

The Bluemmel reference certainly does not add anything to Bonavita in suggesting the invention under 35 U.S.C. §103(a). Bluemmel does not even show an end cap much less an end cap having passages of sufficient length to sequentially engage the front contact

portion of the terminal and then the rear insulation crimp of the terminal. Like Bonavita, the Examiner's attention is drawn to Figure 1 where it can be seen that the spacing between front contact piece 3 and rear insulation crimp 6 is quite long and, in combination with the very short through passages 32 in the end cap of Bonavita, there could not possibly be any sequential anti-rotational provision of the two longitudinally spaced polygonal portions of the terminals.

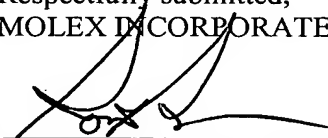
Still further, it should be emphasized that neither of the references even remotely recognize the problem solved by Applicants herein, much less showing or suggesting a solution to the unrecognized problem, as Applicants claim herein.

To these ends, independent claims 1 and 5 have been amended extensively to define the cooperation between the front reinforcing box section and the rear crimp section of each conductive terminal with the through passages in the end cap of the connector. The amended language is clear and sets forth the sequential interengagement between the spaced portions of the terminals and the lengths of the through passages, to provide an anti-rotational function throughout the entire insertion movement of the terminals as they pass through the end cap.

Clearly, claims 1, 2, 5 and 6 as now amended, are patentable over Bonavita in view of Bluemmel under 35 U.S.C. §103(a). Reconsideration of the application, allowance of claims 1, 2, 5 and 6, and passing the application to issue are respectfully requested.

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Respectfully submitted,  
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